

IN THE CLAIMS:

Please amend the pending claims as follows:

Claims 1-20 (Cancelled)

Please add the following new claims:

21. (New) A process for the production of a multilayer film having a substrate layer and a surface layer comprising:

(a) providing a first crystalline thermoplastic polymer;

(b) extruding the propylene polymer and forming the polymer into a flexible substrate layer comprising an interface surface;

(c) providing a second polymer comprising a syndiotactic propylene polymer comprising a melt flow index of less than 2 grams/10 minutes produced by the polymerization of propylene in the presence of a syndiospecific metallocene catalyst effective to form a surface layer, the surface layer capable of producing a heat seal with itself at a seal temperature less than 110°C;

(d) extruding the syndiotactic propylene polymer to form a surface layer; and

(e) bonding the surface layer to the interface surface of the substrate layer to form a multilayer film having a surface layer of syndiotactic propylene polymer which has a thickness that is less than the thickness of the substrate layer.

22. (New) The process of claim 21, wherein the first polymer is an isotactic propylene polymer.

23. (New) The method of claim 21, wherein the substrate layer film is formed by orienting the substrate layer form in at least one direction and thereafter forming the surface layer by extrusion-coating the syndiotactic polypropylene on to the oriented substrate layer film.

24. (New) The process of said claim 1, wherein said multilayer film is formed by co-extruding the first and second polymers through a slotted die system to form a multilayer film comprising a substrate layer of the first polymer and a surface layer of the second polymer and thereafter orienting the film in the machine direction followed by orienting the film in the transverse direction to form a biaxially-oriented multilayer film.

25. (New) A process for the production of a multilayer film having a substrate layer and a surface layer comprising:

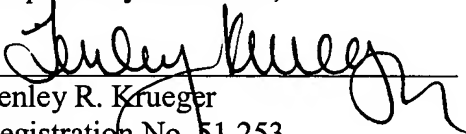
(a) providing a first polymer to form the substrate layer of a multilayer film;

(b) providing a second polymer comprising a syndiotactic propylene polymer comprising a melt flow index of less than 2 grams/10 minutes produced by the polymerization of propylene in the presence of a syndiospecific metallocene catalyst effective to form a heat-sealable surface layer of said multilayer film; and

(c) co-extruding said first and second polymers through a slotted die system at a temperature within the range of 150°-260°C to form a film comprising a substrate layer of said first polymer and a surface layer of said second polymer of a thickness which is less than the thickness of said substrate layer.

26. (New) The process of claim 25, wherein the surface layer of said second polymer is effective in producing a heat seal with itself at a seal temperature of no more than 110°C.

Respectfully submitted,


Tenley R. Krueger
Registration No. 51,253
FINA TECHNOLOGY, INC.
P.O. Box 674412
Houston, Texas, 77267
Telephone: 281-227-5386
Facsimile: 281-227-5383
Attorney for Applicant(s)